



From RISC to Reward

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Today's Presentation

- Strong Itanium® momentum
 - Good business opportunity, strong Itanium-based system growth in RISC/Mainframe segment and continued ecosystem growth
- Strong customer adoption
 - End-users moving from expensive proprietary solutions to Itanium based solutions
- Strong future
 - Intel investing in future generations of Itanium-based products and technologies

Then: The Proprietary Era

A person in a dark suit and white shirt is seen from behind, with their hands cuffed behind their head. They are standing in front of two tall server racks. The background is a solid blue color.

Up Until the 1990s, proprietary architectures ruled the enterprise server space with an iron fist

Now: New Era in Mission-Critical Computing

HITACHI
Inspire the Next

**Itanium® Breaks the Chains
with Freedom of Choice**

NEC

ORACLE
SOFTWARE POWERS THE INTERNET™

FUJITSU

Microsoft

hp
EVERETT

sgi

BULL

redhat

Novell

FUJITSU COMPUTER
SIEMENS

SAP

UNISYS

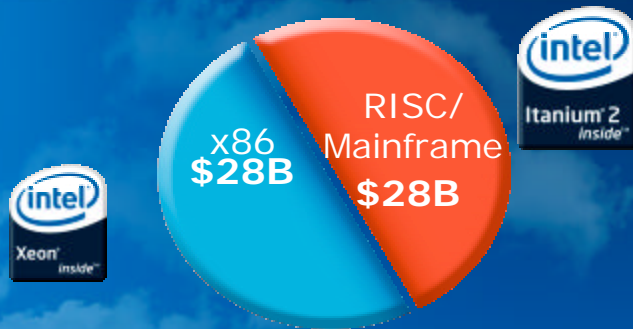
sas

SYBASE

bea

Companies listed are members of the Itanium Solutions Alliance Source: Itanium Solutions Alliance *Other names and brands may be claimed as the property of others

Itanium® Addresses Needs of Mission-Critical Datacenter



System Revenue (annual)

Source: IDC Worldwide Quarterly Server Tracker, Q1'07; share by system revenue; annual system revenue for 2006.

"We migrated our SAP R/3 ERP solution from the mainframe to the Itanium Architecture and couldn't be happier. Not only did the migration go smoothly, but the performance is outstanding—the new platform runs up to 5 times faster than our old mainframe and is rock solid. "

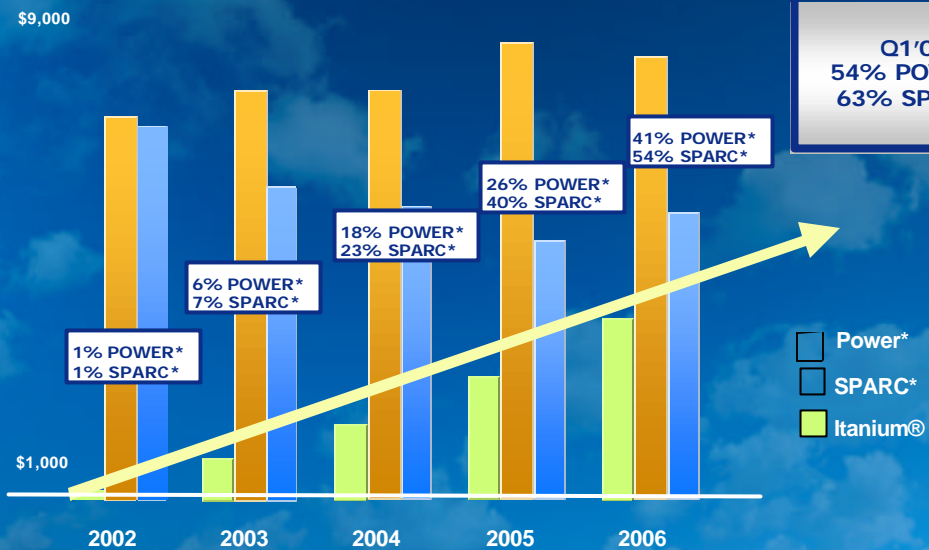
— Glenn Beck, Air Products VP
Enterprise Operations and CIO

Best value for mission-critical, data-intensive workloads

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Itanium® Momentum Continues...

System Revenue By RISC and Itanium® Architectures



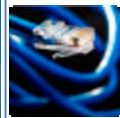
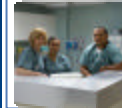
* Source: IDC Q1'07 Server Tracker
SPARC Includes: SPARC I, SPARC II, SPARC III, SPARC IV, SPARC 64 and SPARC 64 V;
POWER Includes: Power RS64 II, Power RS64 III, Power RS64 III, Power 3, Power 4, Power 5, and PowerPC

*Other names and brands may be claimed as the property of others

RISC Revenue Flat to Down, Itanium Growing YOY

Growth Driven By Strong End-user Adoption

>140,000 deployments, including 75 out of top global 100 companies



*Source: Intel Corporation

Intel® Itanium® Processor Ecosystem Momentum

Application Growth

SAP runs SAP on Itanium® 2 processor:

"For our new ERP landscape, we needed a largely standardized and automated infrastructure that would not require as much manual intervention as in the past. Scalability was also essential. Greater performance and flexibility for the same price was an outstanding argument for switching to HP Integrity servers with Intel® Itanium® 2 processors."

— Martin Heisig, Chief Operations Officer SAP IT

- Itanium Solutions Alliance \$10B investment on-track
- Sun Java SE* support for Itanium® processor family

¹Source: Itanium Solutions Alliance ^{*}Other names and brands may be claimed as the property of others

Strong Product Roadmap Drives Growth

Dual-Core Itanium® 2 processor

Large on-die 24M cache
Hyper-Threading Technology,
Intel® Virtualization Technology,
Energy efficient computing (104W)
Mainframe-level RAS:
Intel® Cache Safe Technology,
Lock-step data integrity Technologies

Dual-Core Itanium® 2
processor
(Montecito/Montvale)

Tukwila

Poulson

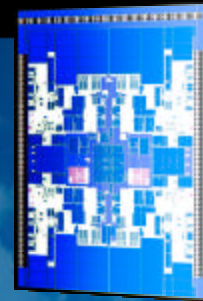
Future

Multi-core, massive caches
High-speed interconnect
Integrated memory controllers
Advanced RAS,
Enhanced virtualization
Common chipset for
design synergies

All dates, product features
and plans are subject to
change without notice.

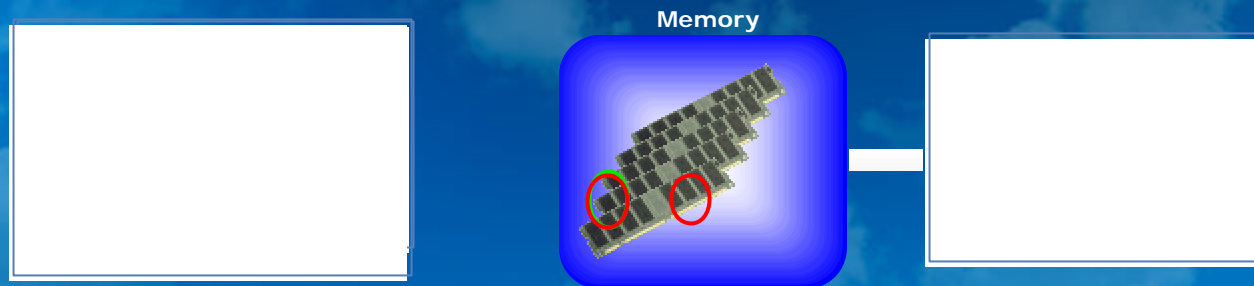
Tukwila: Next Generation Platform

- **Up to 2x performance of Dual-Core Itanium® 2 processor***
 - 4 cores, large on-die caches, Hyper-Threading Technology
 - Integrated memory controllers
 - New high-speed interconnect
- **Mainframe-level RAS**
 - New interconnect reliability features
 - Double Device Data Correction (memory RAS)
- **New platform design for performance and innovation**
 - Virtualization enhancements including Intel® Virtualization Technology for Directed I/O
 - Common chipset with future Intel® Xeon®-based platforms (lower development costs)



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Tukwila RAS – Double Device Data Correction (DDDC)



Tukwila RAS – Double Device Data Correction (DDDC)

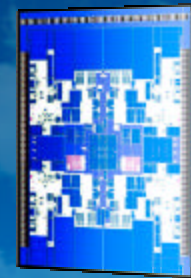
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“Integrated features such as Double Device Data Correction, coupled with the mission-critical virtualization capabilities of HP Integrity systems, help customers increase solution uptime, mitigate risk and reduce costs.”

— Hal Massey, VP, Business Critical Systems
HP

Tukwila



DDDC is just one of several new Itanium® RAS capabilities coming soon

Poulson: New Ultra Parallel Micro-architecture

Higher levels of parallelism through...

Advanced multi-core architecture
Multi-threading enhancements
Instruction-level enhancements

plus...

32nm process technology
Massive on-die cache
New mainframe-level RAS
Compatible with Tukwila platforms

Poulson

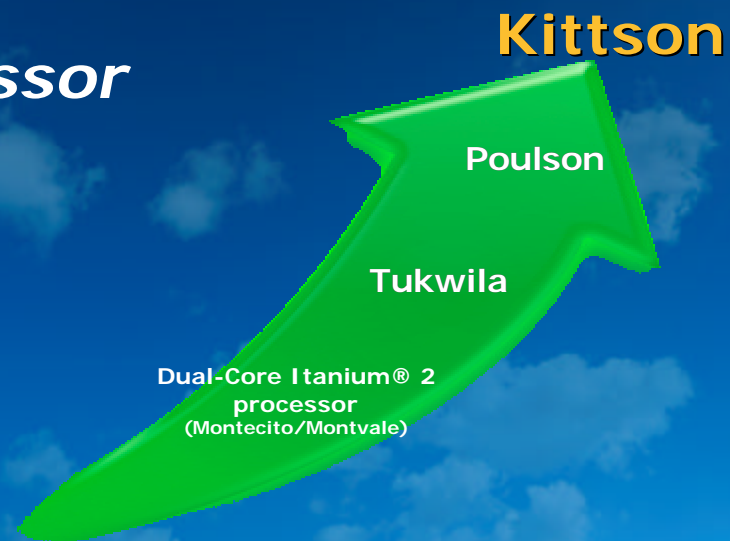
Tukwila

Dual-Core Itanium® 2
processor
(Montecito/Montvale)

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Itanium® Processor Family

Innovation Continues...



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Itanium® Platform Enterprise Innovations On RISC & Mainframe-class Platforms

FUJITSU



PRIMEQUEST

Fujitsu* PRIMEQUEST*
Flexible I/O:

NEC



Express5800

NEC* Express*
5800/1000 hot
replace:

*Industry innovations combined
with strong processor roadmap
will accelerate transition from
RISC to Itanium®*

BULL



Bull* NovaScale*
Intensive line

HITACHI
Inspire the Next



BladeSymphony

Hitachi* Virtage*:

VIRTAGE



**HP* Integrity
Non-stop*:**

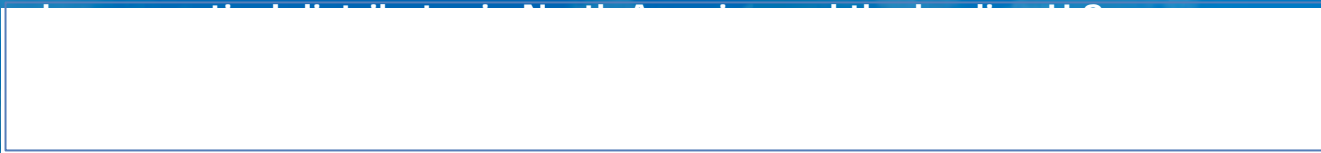


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Tod Wiederholt
Manager of Systems Development
For RelayHealth, McKesson Corporation

McKesson Corporation dominates the healthcare industry as the largest



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How Itanium® Will Continue To Win...

HITACHI
Inspire the Next

Strong Itanium® momentum

NEC

Microsoft

hp

sgi

FUJITSU

Strong customer adoption

ORACLE
SOFTWARE POWERS THE INTERNET

Strong future products

Novell

BULL

redhat

UNISYS

FUJITSU
COMPUTER
SIEMENS

bea

sas

SYBASE

SAP

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